

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re divisional patent application of 09/690,854 filed on October 18, 2000:

D. Modha et al.

Serial No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Filing Date: Concurrently Herewith

Examiner: Unknown

For: CLUSTERING HYPERTEXT WITH APPLICATIONS TO WEB SEARCHING

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Under the provisions of 37 CFR §1.97 through §1.99 and pursuant to applicant's duty of disclosure under 37 CFR §1.56, applicant respectfully brings the following documents listed on the attached form PTO-1449, to the attention of the Examiner in charge of the above-identified application. All of these references were either cited or submitted in parent Application No. 09/690,854 and thus copies of these references are not provided in accordance with 37 C.F.R. §1.98(d).

This citation does not constitute an admission that the references are relevant or material to the claims. They are only cited as constituting related art of which the applicant is aware.

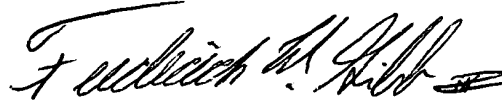
It is respectfully requested that the listed references be considered by the Examiner and formally made of record in this application.

AM9990184US2

Please charge any deficiencies in fees and credit any overpayment of fees to Attorney's

Deposit Account No. 09-0441.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Frederick W. Gibbs, III".

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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>	Docket Number (Optional) AM9990184US2	Application Number Concurrently Herewith
	Applicant(s) Modha et al.	
	Filing Date Currently Herewith	Group Art Unit Unknown

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,787,420	07/28/1998	Tukey et al.			
		5,787,421	07/28/1998	Nomiyama			
		5,819,258	10/06/1998	Vaithyanathan et al.			
		5,857,179	01/05/1999	Vaithyanathan et al.			
		5,864,845	01/26/1999	Voorhees et al.			
		5,895,470	04/20/1999	Pirolli et al.			
		5,920,859	07/06/1999	Li			
		6,012,058	01/04/2000	Fayyad et al.			
		6,115,708	09/05/2000	Fayyad et al.			
		6,298,174	10/02/2001	Lantrip et al.			
		6,363,379	03/26/2002	Jacobson et al.			

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		Chen, "Structuring and Visualizing the WWW by Generalised Similarity Analysis", In proceedings of Hypertext, 1997, pp. 177-186.
		Foley et al, "Interactive Clustering for Navigating in Hypermedia Systems", ACM Press, 1994, pp.136-145.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		6,389,436	05/2002	Chakrabarti et al.			
		6,556,983	04/2003	Altschuler et al.			
		6,460,036	10/2002	Herz			
		6,256,648	07/2001	Hill et al.			
		5,835,905	11/1998	Pirollo et al.			
		6,038,574	03/2000	Pitkow et al.			
		6,122,647	09/2000	Horowitz et al.			
		6,389,436	05/2002	Chakrabarti et al.			
		6,556,983	04/2003	Altschuler et al.			

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OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		Modha et al., "CONCEPT DECOMPOSITIONS FOR LARGE SPARSE TEXT DATA USING CLUSTERING", 1999, pp. 1-32.
		Silverstein et al., "ANALYSIS OF A VERY LARGE ALTA VISTA QUERY LOG", SRC Technical Note 26, 1998, pp. 1-17.

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*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
	Chakrabarti, S., Dom, B., Indyk, P., "ENHANCED HYPERTEXT CATEGORIZATION USING HYPERLINKS", ACM SIGMOD 1998, Seattle, Washington, pp. 1-12		
	Kleinberg, Jon M., "AUTHORITATIVE SOURCES IN A HYPERLINKED ENVIRONMENT", Proceedings of the ACM-SIAM Symposium on Discrete Algorithms, 1998, IBM Research Report RJ 10076, May 1997, pp. 1-33		
	Lawrence, Steve and Giles, C. Lee, "SEARCHING THE WORLD WIDE WEB", Science, Vol. 280, April 3, 1998, pp. 98-100		
	Larson, Ray R., "BIBLIOMETRICS OF THE WORLD WIDE WEB: AN EXPLORATORY ANALYSIS OF THE INTELLECTUAL STRUCTURE OF CYBERSPACE", Proceeding of the 1996 American Society for Information Science Annual Meeting, pp. 1-13		
	Chakrabarti, S., Dom, B., Raghavan, P., Rajagopalan, S., Gibson, D., Kleinberg, J., "AUTOMATIC RESOURCE COMPILATION BY ANALYZING HYPERLINK STRUCTURE AND ASSOCIATED TEXT", WWW7, 1998, pp. 1-14		
	Bradley, P.S. and Fayyad, Usama M., "REFINING INITIAL POINTS FOR K-MEANS CLUSTERING", ICML, 1998, pp. 91-99		
	Chakrabarti, S., Dom, B.E., Kumar, S.R., Raghavan, P., Rajagopalan, S., Tomkins, A., Kleinberg, J.M., and Gibson, D., "HYPERSEARCHING THE WEB", Scientific American, June 1999, pp. 1-8		
	Weiss, R., Velez, B., Sheldon, M.A., Namprempre, C., Szilagyi, P., Duda, A., Gifford, D.K., "HYPURSUIT: A HIERARCHICAL NETWORK SEARCH ENGINE THAT EXPLOITS CONTENT-LINK HYPERTEXT CLUSTERING", ACM Hypertext, 1996, pp. 180-193		
	Mukherjea, S., Foley, J.D., Hudson, S.E., "INTERACTIVE CLUSTERING FOR NAVIGATING IN HYPERMEDIA SYSTEMS", ACM Hypertext, September 1994, pp. 136-145		
	Chen, C., "STRUCTURING AND VISUALISING THE WEB BY GENERALISED SIMILARITY ANALYSIS", ACM Hypertext, 1997		
	Pirolli, P., Pitkow, J., Rao, R., "SILK FROM A SOW'S EAR: EXTRACTING USABLE STRUCTURES FROM THE WEB", ACM, SIGCHI Human Factors Comput., 1996		
	Chen, C., Czerwinski, M., "FROM LATENT SEMANTICS TO SPATIAL HYPERTEXT -- AN INTEGRATED APPROACH", ACM Hypertext, 1998, pp. 77-86		
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*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>
	Botafogo, R.A., "CLUSTER ANALYSIS FOR HYPERTEXT SYSTEMS", ACM-SIGIR June 1993, pp. 116-125
	Rasmussent, E., "Clustering Algorithms", Information Regrieval: Data Structures and Processes, 1992, pp. 419-442.
	Hartigan, "Clusterin Algorithms," Wiley Publication, Chapter 4, 1975, pp. 84-107.
	P. Willet, "Recent Trends in Hierarchic Document Clustering", Inform. Proc. & Management, 1988, pp. 577-597.
	Frakes et al., "Information Retrieval Data Structures & Algorithms", Clustering Algorithms, Chapter 16, 419-442, 1992.
	Chen et al., "From LatexSemantics to Spatial Hypertext An Integrated Approach", In Proceedings of Hypertext, 1998, pp. 77-86.
	Weiss et al., "Hy Pursuit: A Hierarchial Network Search Engine that Exploits Content-Link Hypertext Clustering," In Proc. of Hypertext, 1996, pp. 180-193.
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